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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|-----------------------------------|------------------------|
| 10/530,118 | 04/01/2005 | Dirk Adolph | PDO20099 | 2641 |
| 24498 | 7590 | 01/08/2009 | | |
| Robert D. Shedd Thomson Licensing LLC PO Box 5312 PRINCETON, NJ 08543-5312 | | | EXAMINER ANDRAMUNO, FRANKLIN S | |
| | | | ART UNIT 2424 | PAPER NUMBER |
| | | | MAIL DATE 01/08/2009 | DELIVERY MODE PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/530,118

Applicant(s)

ADOLPH ET AL.

Examiner

FRANKLIN S. ANDRAMUNO

Art Unit

2424

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10/07/08.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/55/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/07/08 has been entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 6-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yahata et al (US 2004/0240856 A1) in view of Yamada et al (US 6,778,759 B1) in view of Katsube et al (US 6,341,127 B1). Hereinafter referred as Yahata, Yamada, Katsube.

Regarding claims 1, 6 and 7, Yahata discloses a method apparatus and a pre-recorded storage medium for arranging data streams containing video, audio and/or other data (**Figure 2**), comprising: defining a basic stream path of consecutive

descriptors pointing to parts of a basic AV MPEG-2 transport stream of multiplexed elementary streams (**page 1 paragraph (0002)**), wherein said descriptors define the arrangement in time for playing back said parts of said basic AV MPEG-2 transport stream (**page 1 paragraph (0007) lines 1-5**); defining multiple sub stream paths of consecutive descriptors existing in parallel to said basic stream path (**page 1 paragraph (0012)**), said sub stream paths of descriptors pointing to parts of data streams being located out of said basic AV MPEG-2 transport stream (**page 2 paragraph (0024)**), wherein each of said sub stream paths is one of a video stream path type (**video decoder in figure 18**), an audio stream type (**Audio Decoder in figure 18**), a subtitle stream type or a graphics stream type (**page 13 paragraph (0320) line 4**); indicating the stream type of each of said sub stream paths; and binding at least one data stream which is originating from an external data source to said basic AV MPEG-2 transport stream by pointing at said data stream by descriptors of the corresponding sub stream path.

However, Yahata fails to disclose the binding of an external source to a corresponding sub stream. Yamada teaches in **column 6 lines 66 to column 7 lines 9** that a title set is constructed of a plurality of titles sharing the AV data each other.

Therefore, it would have been obvious at the time of the invention to include the use of binding the originating av-mpeg stream to a corresponding sub stream path. This is a useful combination because it allows a dvd movie to be shared with different subtitles and languages.

However, Yahata and Yamada fail to teach the indication of stream paths. Katsube discloses on **(column 1 lines 38-50)** a path through which packets are transferred by this label switching is called a label switching path (LSP). Moreover, Katsube discloses on **(column 2 lines 35-44)** the LSP and/or packet streams transferred by the LSP (which are identified by the address information such as source/destination addresses). Therefore, indicating the exchange of information between external data source.

Therefore, it would have been obvious at the time of the invention to include the use of indication stream paths. This is a useful combination because users are able to recognize the data of each stream of information.

1. Claims 2-5 are rejected under 35 U.S.C. 103(a) as being unpatentable by Yahata et al (US 2004/0240856 A1) in view of Yamada et al (US 6,778,759 B1) in view of Katsube et al (US 6,341,127 B1) in view of Chotoku et al (US 2002/0006268 A1). Hereinafter referred as Yahata, Yamada, Katsube, and Chotoku.

Regarding claim 2, Yahata discloses a method according to claim 1, wherein said basic AV MPEG-2 transport stream is pre-recorded on a read-only disc and said at least one data stream bound to said basic AV MPEG-2 transport stream **(Figure 4)** is provided via internet. **However, Yahata and Yamada fail to** show the use of internet for uploading the AV MPEG-2 transport Stream. Chotoku discloses on **(page 4 paragraph (0060))** information can be acquired from a network such as the internet.

Therefore, it would have been obvious at the time of the invention to include the use of internet. This is a useful combination because it saves space on the disk and allows more data to be disclosed through the use of the internet.

Regarding claim 3, Chotoku discloses a method according to claim 1, wherein said descriptors define the synchronization of parts of said data streams concerning their relative relation in time by defining the start time and end time of the separate parts of data streams **(page 2 paragraph (0026))**.

Regarding claim 4, Yamada discloses a method according to claim 1, wherein said descriptors define the synchronization of parts of data streams concerning their switching by defining points in time and in the binary stream **(Figure 5)** were the decoding of a part of a data stream can be substituted by decoding a part of another data stream **(Video File 1 in figure 6)**.

Regarding claim 5, Yahata discloses a method according to claim 1, wherein the format of a data stream bound to said basic AV MPEG-2 transport stream is an MPEG-2 transport stream of multiplexed elementary streams **(page 14 paragraph (0335))**.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKLIN S. ANDRAMUNO whose telephone number is (571)270-3004. The examiner can normally be reached on Mon-Thurs (7:30am - 5:00pm) alternate Fri off (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Kelley can be reached on (571)272-7331. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Chris Kelley/
Supervisory Patent Examiner, Art
Unit 2424